| **PROFESSOR:** |   |
| --- | --- |
| **OFFICE LOCATION:** |   |
| **OFFICE HOURS:** |   |
| **PHONE NUMBER:** |   |
| **E-MAIL:** |   |
| **SEMESTER:** |   |
| **DELIVERY METHOD:** |   |

# COURSE NUMBER AND TITLE, CATALOG DESCRIPTION, CREDITS:

## RET 2234C Respiratory Therapeutics (4 Credits)

Bronchial hygiene, lung expansion therapy as well as medical gas, humidity, and aerosolization concepts are presented, in concert with advanced respiratory pharmacology. Clinical and laboratory experience affords the student the opportunity to observe and practice basic respiratory procedures and equipment and clinical critical thinking. The concepts fundamental to mechanical ventilation are introduced.

## PREREQUISITES FOR THIS COURSE:

RET 1832L with a grade of “C” or better

### CO-REQUISITES FOR THIS COURSE:

RET 2874L, RET 2254C

## GENERAL COURSE INFORMATION:

Topic Outline:

Aerosol therapy

Artificial airways

Bronchial hygiene therapy

Cardioversion

Humidification devices

Introduction to mechanical ventilation

Lung expansion therapy

Manual resuscitation devices

Oxygen delivery devices

Pulmonary rehabilitation

Respiratory home care

## ALL COURSES AT FLORIDA SOUTHWESTERN STATE COLLEGE CONTRIBUTE TO THE GENERAL EDUCATION PROGRAM BY MEETING ONE OR MORE OF THE FOLLOWING GENERAL EDUCATION COMPETENCIES:

**C**ommunicate clearly in a variety of modes and media.

**R**esearch and examine academic and non-academic information, resources, and evidence.

**E**valuate and utilize mathematical principles, technology, scientific and quantitative data.

**A**nalyze and create individual and collaborative works of art, literature, and performance.

**T**hink critically about questions to yield meaning and value.

**I**nvestigate and engage in the transdisciplinary applications of research, learning, and knowledge.

**V**isualize and engage the world from different historical, social, religious, and cultural approaches.

**E**ngage meanings of active citizenship in one’s community, nation, and the world.

A. General Education Competencies and Course Outcomes

1. Listed here are the outcomes/objectives assessed in this course which play an integral part in the student’s general education along with the general education competencies they support.

 General Education Competency: **Investigate**

 Course Outcomes or Objectives Supporting the General Education Competency:

* Evaluate and monitor patient’s objective and subjective responses to respiratory care in the areas of: oxygen therapy, humidity therapy, aerosol therapy, bronchial hygiene therapy, manual resuscitation, lung expansion therapy, and airway management.
* Select, assemble, use, and troubleshoot respiratory care equipment, including: oxygen administration devices, humidifiers, large and small volume nebulizers, manual resuscitators, artificial airways, suctioning devices, high frequency chest wall oscillators, positive expiratory pressure devices, He/O2 therapeutic gas, metered dose inhalers and chambers, dry powder inhalers, tracheostomy speaking devices, non-invasive mechanical ventilators, and IPPB machines.

 General Education Competency: **Think**

Course Outcomes or Objectives Supporting the General Education Competency:

* Independently modify treatment techniques based on the patient’s response using oxygen therapy, humidity therapy, aerosol therapy, bronchial hygiene therapy, manual resuscitation, lung expansion therapy, and airway management.
* Define, differentiate, and discuss the different types of respiratory failure and the need for ventilatory support.
* Define, classify, and differentiate the basic modes of ventilatory support.

General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency:

* Analyze patient data to prioritize patient problems, set patient goals, and recommend treatment options for reaching those set goals.

## DISTRICT-WIDE POLICIES:

### PROGRAMS FOR STUDENTS WITH DISABILITIES

Florida SouthWestern State College, in accordance with the Americans with Disabilities Act and the College’s guiding principles, offers students with documented disabilities programs to equalize access to the educational process. Students needing to request an accommodation in this class due to a disability, or who suspect that their academic performance is affected by a disability should contact the Office of Adaptive Services at the nearest campus. The office locations and telephone numbers for the Office of Adaptive Services at each campus can be found at <https://www.fsw.edu/adaptiveservices>.

### REPORTING TITLE IX VIOLATIONS

Florida SouthWestern State College, in accordance with Title IX and the Violence Against Women Act, has established a set of procedures for reporting and investigating Title IX violations including sexual misconduct. Students who need to report an incident or need to receive support regarding an incident should contact the Equity Officer at equity@fsw.edu. Incoming students are encouraged to participate in the Sexual Violence Prevention training offered online. Additional information and resources can be found on the College’s website at <https://www.fsw.edu/sexualassault>.

## REQUIREMENTS FOR THE STUDENTS:

List specific course assessments such as class participation, tests, homework assignments, make-up procedures, etc.

## ATTENDANCE POLICY:

The professor’s specific policy concerning absence. (The College policy on attendance is in the Catalog and defers to the professor.)

## GRADING POLICY:

Include numerical ranges for letter grades; the following is a range commonly used by many faculty:

| **Grade Percent** | **Letter Grade** |
| --- | --- |
| 90 - 100 | A |
| 80 - 89 | B |
| 70 - 79 | C |
| 60 - 69 | D |
| Below 60 | F |

(Note: The “incomplete” grade [“I”] should be given only when unusual circumstances warrant. An “incomplete” is not a substitute for a “D,” “F,” or “W.” Refer to the policy on “incomplete grades.)

## REQUIRED COURSE MATERIALS:

(In correct bibliographic format.)

## RESERVED MATERIALS FOR THE COURSE:

Other special learning resources.

## CLASS SCHEDULE:

This section includes assignments for each class meeting or unit, along with scheduled Library activities and other scheduled support, including scheduled tests.

## ANY OTHER INFORMATION OR CLASS PROCEDURES OR POLICIES:

(Which would be useful to the students in the class.)